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NOTICE OF ALLOWANCE AND FEE(S) DUE

23117

7590

01/15/2009

NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203 EXAMINER

GREGORY, BERNARR E

ART UNIT PAPER NUMBER

3662 DATE MAILED: 01/15/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,044	06/08/2005	Osten Erikmats	3670-58	1441

TITLE OF INVENTION: ADAPTIVE GROUND CLUTTER CANCELLATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/15/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance onerwise in Block 1, by (orders and notification of a) specifying a new corre	maintenance fees wi espondence address;	ll be n and/or	nailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Bl	ock 1 for any change of address)	Fee	e(s) Transmittal. This	certific	cate cannot be used fo	domestic mailings of the or any other accompanying to r formal drawing, must
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							(Depositor's name)
			<u> </u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	R	ATTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/538,044	06/08/2005		Osten Erikmats			3670-58	1441
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nonprovisional	NO	\$1510	\$300	\$0 ¬		\$1810	04/15/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	J			
GREGORY, I	BERNARR E ence address or indication	3662	342-159000				
"Fee Address" ind PTO/SB/47; Rev 03-C Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA	"Indication form and. Use of a Customer A TO BE PRINTED ON ified below, no assignee	(1) the names of up t or agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty data will appear on the DT a substitute for filing ar	ively, gle firm (having as a agent) and the name orneys or agents. If n e printed. //pe) patent. If an assigne	membe s of up o name	r a 2to	ocument has been filed for
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4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): (Ple	ard. Form PTO-2038	is attac	hed.	
a. Applicant claim	tus (from status indicated s SMALL ENTITY statu d Publication Fee (if req records of the United Sta	is. See 37 CFR 1.27.	b. Applicant is no load from anyone other than				R 1.27(g)(2). e assignee or other party in
,							
Authorized Signature							
This collection of inform	nation is required by 37 C	FR 1 311. The information	on is required to obtain or	retain a benefit by th	e nubli	c which is to file (and	by the USPTO to process) g gathering, preparing, and se you require to complete rtment of Commerce, P.O.
his form and/or suggesti Box 1450, Alexandria, V	ions for reducing this bui rirginia 22313-1450. DC	rden, should be sent to the NOT SEND FEES OR	ne Chief Information Offic COMPLETED FORMS T	er, U.S. Patent and T TO THIS ADDRESS.	radema SEND	ark Office, U.S. Depa TO: Commissioner f	rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/538,044	10/538,044 06/08/2005 Osten Erikmats 23117 7590 01/15/2009		3670-58	1441	
23117 75			EXAMINER		
NIXON & VANI	DERHYE, PC	GREGORY, BERNARR E			
901 NORTH GLEBE ROAD, 11TH FLOOR			ART UNIT PAPER NUMBER		
ARLINGTON, VA	x 22203		3662		
			DATE MAILED: 01/15/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
	10/538,044	ERIKMATS ET AL.					
Notice of Allowability	Examiner	Art Unit					
	Bernarr E. Gregory	3662					
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. THIS					
1. This communication is responsive to <u>THE AMENDMENT (</u>	OF 29 OCTOBER 2008.						
2. The allowed claim(s) is/are <u>1-15</u> .							
3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All _ b) ☐ Some* c) ☐ None of the:							
 Certified copies of the priority documents have 	e been received.						
Certified copies of the priority documents have	been received in Application No	·					
Copies of the certified copies of the priority do	cuments have been received in this i	national stage application from the					
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.							
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give							
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) ☐ including changes required by the Notice of Draftspers		948) attached					
1) hereto or 2) to Paper No./Mail Date	•	,					
· — · · — · — — · — — · — — — · — — · — — · — — · — — · — · — · — · · — ·		Office action of					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date							
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).							
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s)	5 Notice of Informal D	otont Application					
1. Notice of References Cited (PTO-892)	5. Notice of Informal P						
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat	ė .					
3. Information Disclosure Statements (PTO/SB/08),	7. ⊠ Examiner's Amendn	nent/Comment					
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance					
of Biological Material	9.						
/Bernarr E. Gregory/							
Primary Examiner, Art Unit 3662							

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Art Unit: 3662

EXAMINER'S COMMENT

1. The Substitute Specification has been **ENTERED**.

2. The Proposed Corrected Drawings of 12 December 2006 are hereby

APPROVED.

3. The Drawings of 08 June 2005 as corrected by the Drawings of 12 December

2006 are hereby accepted as **FORMAL**.

STATEMENT OF REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance:

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed apparatus as set forth in independent claim 1 that is particularly characterized at least by the claimed "means for transforming ..." (lines 7-9) and the claimed "clutter-suppressing means ..." (lines 10-19), taken together and taken in the overall context of independent claim 1.

Dependent claims 2-8 are allowable for at least the reasons for which independent claim 1 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed

method as set forth in independent claim 9 that is particularly characterized at least by the claimed method steps of "transmitting a clutter component (e_c) multiplied by a complex constant ..." (lines 7-10); "transmitting the clutter component (e_c) for a certain bin ..." (lines 11-12); "estimating a complex constant ..." (lines 13-14); "multiplying the estimated constant ..." (lines 15-16); and "subtracting the second channel (K₂) from the first channel ..." (lines 16-18), taken together and taken in the overall context of independent claim 9.

Dependent claims 10-15 are allowable for at least the reasons for which independent claim 9 is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONTACT INFORMATION

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (571) 272-6972. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (571) 272-6979. The fax phone

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Art Unit: 3662

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Bernarr E. Gregory/ Primary Examiner, Art Unit 3662